

Title (en)
Propulsion unit

Title (de)
Antriebsseinheit

Title (fr)
Unité d'entraînement

Publication
EP 0716966 B1 20010816 (DE)

Application
EP 95119499 A 19951211

Priority
• DE 4445024 A 19941216
• DE 19509417 A 19950316

Abstract (en)
[origin: EP0716966A2] The vehicle is driven by an engine and a transmission. The drive unit comprises a hydrodynamic retarder which has its rotor driven directly from the transmission. This drive is disconnected if no braking control is required. For a simple layout the retarder uses the same fluid as the engine coolant circuit, with excess energy removed by the main heat exchange. The retarder pump section is driven by a pinion coupling to the transmission using a suitable synchronising coupling. The retarder is positioned either in parallel to the transmission line or in line with same. The stator side of the retarder is supplied with fluid by a pump.

IPC 1-7
B60T 1/08; **F16D 65/78**

IPC 8 full level
B60T 1/087 (2006.01); **F01D 25/16** (2006.01); **F16D 57/04** (2006.01); **F16D 65/78** (2006.01)

CPC (source: EP)
B60T 1/087 (2013.01); **F16D 57/04** (2013.01); **F16D 65/78** (2013.01)

Cited by
DE102010009757A1; EP1081003A1; CN110081096A; EP0873926A3; EP1721798A3; EP0873925A3; US7162936B2; WO03006850A1; WO2004026651A1; WO2020053055A1

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0716966 A2 19960619; **EP 0716966 A3 19970820**; **EP 0716966 B1 20010816**; AT E204237 T1 20010915; BR 9505425 A 19971028; CZ 330995 A3 19960717; ES 2159598 T3 20011016; HU 9503604 D0 19960228; HU T76758 A 19971128; JP H09142268 A 19970603

DOCDB simple family (application)
EP 95119499 A 19951211; AT 95119499 T 19951211; BR 9505425 A 19951214; CZ 330995 A 19951214; ES 95119499 T 19951211; HU 9503604 A 19951215; JP 32936395 A 19951218